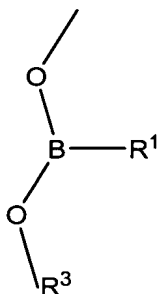


We claim:

1. A cosmetic or dermatological preparation with a content of
 - a) at least one antioxidant effective as O- or C-free radical scavenger and
 - b) at least one organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of active free radical consecutive stages.
2. A cosmetic or dermatological preparation as claimed in claim 1, which comprises, based on the finished preparation, 0.001 to 30% by weight of antioxidant (a) and 0.001 to 30% by weight of at least one boron-containing compound (b).
3. A cosmetic or dermatological preparation as claimed in claim 1, which comprises, as peroxide or hydroperoxide decomposer (b), compounds which, in vitro at room temperature, dissolved in a molar concentration of 0.055 m/l in a polar or nonpolar solvent after storage at 70°C for 30 minutes, reduce the peroxide or hydroperoxide concentration by at least 10%.
4. The use of an organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of active free radical consecutive stages in cosmetic or dermatological preparations.
5. The use of a combination of
 - a) at least one antioxidant effective as O- or C-free radical scavenger and
 - b) at least one organic, boron-containing compound which reduces peroxides or hydroperoxides to the corresponding alcohols without the formation of reactive free radical consecutive stagesin cosmetic or dermatological preparations.

REPLACED BY
ART 54 AADT

6. The use as claimed in claim 4 and/or 5 for avoiding skin damage by peroxides or hydroperoxides formed as a result of endogenous or exogenous factors.
7. The use as claimed in claim 4 and/or 5 for the subsequent elimination and/or alleviation of skin damage by peroxides or hydroperoxides.
8. The use as claimed in either claim 4 and/or 5, wherein 0.001 to 30% by weight of the boron-containing compound b) are used.
9. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (I)



(I).

is used, in which the variables, independently of one another, have the following meanings:

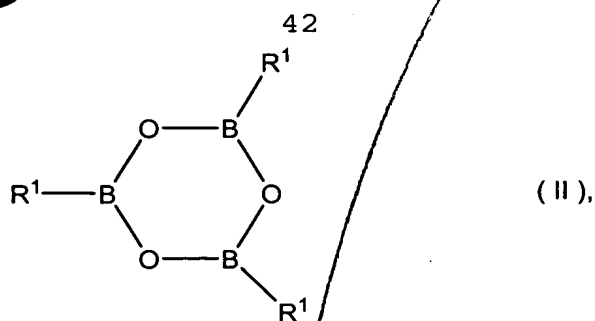
R^1 , R^2 and R^3 :

hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{10} -alkenyl, C_3 - C_{10} -cycloalkyl, C_3 - C_{10} -cycloalkenyl, C_1 - C_{12} -alkoxy, C_1 - C_{20} -alkoxycarbonyl, C_1 - C_{12} -alkylamino, C_1 - C_{12} -dialkylamino, aryl, heteroaryl, optionally substituted,

where the radicals R^1 , R^2 and R^3 may be bridged by ring closure.

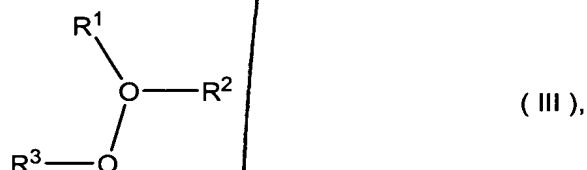
10. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (II)

REPLACED BY
A
T



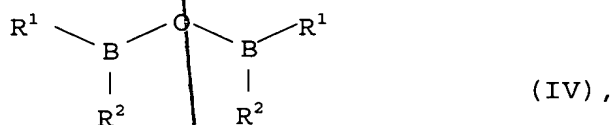
is used, in which R¹ has the meaning given above.

11. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (III)



is used, in which R¹, R² and R³ have the meanings given above.

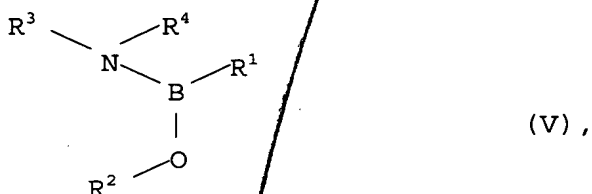
12. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (IV)



is used, in which R¹ and R² have the meanings given above and R¹ and R² may be bridged by ring closure.

REPLACED BY
ART 34 AMST

13. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (V)



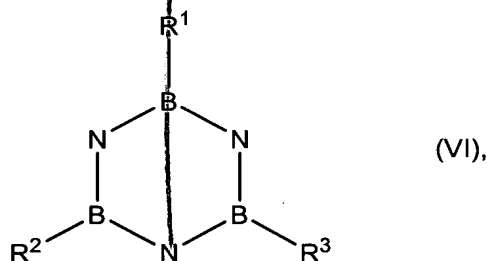
is used, in which R^1 , R^2 and R^3 have the meanings given above.

and R^4 may have the following meanings

hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{10} -alkenyl, C_3 - C_{10} -cycloalkyl, C_3 - C_{10} -cycloalkenyl, C_1 - C_{12} -alkoxy, C_1 - C_{20} -alkoxycarbonyl, C_1 - C_{12} -alkylamino, C_1 - C_{12} -dialkylamino, aryl, heteroaryl, optionally substituted,

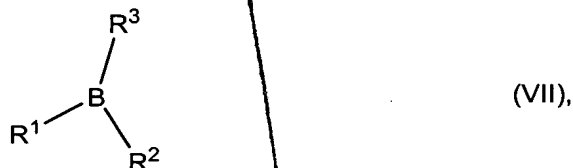
where the radicals R^1 , R^2 , R^3 and R^4 may be bridged by ring closure.

14. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VI)



is used, in which R^1 , R^2 and R^3 have the meanings given above.

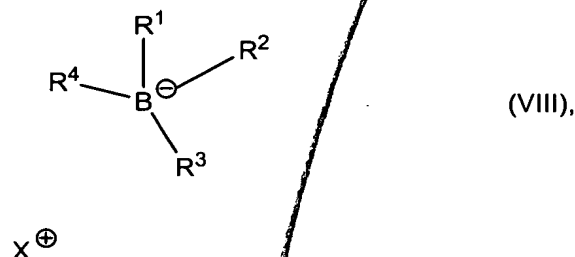
15. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VII)



is used, in which R^1 , R^2 and R^3 have the meanings given above.

REPLACED BY
ART 94/AMDT

16. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (VIII)



is used, in which the variables, independently of one another, have the following meanings:

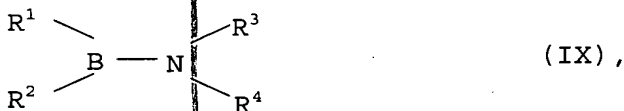
R^1 , R^2 , R^3 and R^4

hydrogen, C_1 - C_{20} -alkyl, C_2 - C_{10} -alkenyl, C_3 - C_{10} -cycloalkyl, C_3 - C_{10} -cycloalkenyl, C_1 - C_{12} -alkoxy, C_1 - C_{20} -alkoxycarbonyl, C_1 - C_{12} -alkylamino, C_1 - C_{12} -dialkylamino, aryl, heteroaryl, optionally substituted,

where the radicals R^1 , R^2 , R^3 and R^4 may be bridged by ring closure.

X^{\oplus} physiologically compatible cations, such as the alkali metal and alkaline earth metal salts or such as optionally substituted ammonium salts.

17. A boron-containing compound as claimed in any of the preceding claims, wherein a compound of the formula (IX)



in which R^1 , R^2 , R^3 and R^4 have the meanings given above is used.

REPLACED BY
ART 34 AMDT